Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/09/2017 01:54 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124858	-1	1.73	124664	1.65
Blue	F	SSC	125000	124917	-1	3.47	125090	3.18
Blue	E	FITC	23795	23208	-3	2.71	1037	10.40
Blue	D	PE	29673	29130	-2	2.37	1048	10.11
Blue	B	PerCP-Cy5-5	48943	48204	-2	3.77	1391	17.07
Blue	A	PE-Cy7	44112	43914	-1	5.49	680	36.34
Red	C	APC	54273	53925	-1	2.76	3100	9.66
Red	A	APC-Cy7	54945	54543	-1	2.77	1130	11.33
Violet	B	V450	15756	15157	-4	3.94	723	8.87
Violet	A	V500	62569	61917	-2	3.77	2746	6.42

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18913	3.64	610	-4	N/A	N/A	Pass
Blue	F	SSC	61650	1.82	543	-3	N/A	N/A	Pass
Blue	E	FITC	115	39.20	547	-3	0.0202	152	Pass
Blue	D	PE	227	30.17	545	-1	0.1543	258	Pass
Blue	B	PerCP-Cy5-5	217	47.01	637	-2	0.0101	169	Pass
Blue	A	PE-Cy7	72	124.00	694	-5	0.0114	17	Pass
Red	C	APC	366	27.39	600	0	0.0192	14	Pass
Red	A	APC-Cy7	122	40.95	577	-7	0.0054	1442	Pass
Violet	B	V450	89	40.43	469	-3	0.0470	1753	Pass
Violet	A	V500	201	21.94	498	-1	0.0143	231	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.67	-31.01	0.90
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.32
Red	16.23	13.27 - 19.91	N/A	N/A	30.94	31.51	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 12433

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments